

Regional HIV/AIDS Epidemiologic Profile of Hampden County, Massachusetts: FY 2008

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2007 Hampden County, Massachusetts

	N	%
People Living with HIV/AIDS	1,739	58%
People Reported with HIV or AIDS who are Deceased	1,236	42%
Total Number of People Reported with HIV Infection or AIDS	2,975	100%

¹ Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 2. Average annual rate of HIV infection diagnosis from 2004 to 2006 and rate of people living with HIV/AIDS on 12/31/07¹: Hampden County, Massachusetts

Average annual HIV diagnosis rate from 2004–2006	Average Rate per 100,000	Average Number of HIV Diagnoses
Hampden County, MA	23 per 100,000	104
Massachusetts Total	13 per 100,000	857
Rate of people living with HIV/AIDS on 12/31/07	Rate per 100,000	Number of People Living with HIV/AIDS
Hampden County, MA	381 per 100,000	1,739
Massachusetts Total	267 per 100,000	16,977

¹ Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 3. People living with HIV/AIDS¹, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year²: 1999–2006, Hampden County, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	1,258	47	167
2000	1,331	57	130
2001	1,413	39	121
2002	1,468	48	103
2003	1,523	55	110
2004	1,605	45	127
2005	1,663	44	102
2006	1,706	41	84

¹ Number of People living with HIV/AIDS on 12/31 of each year

² Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis
Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 4. People diagnosed with HIV infection from 2004–2006¹ and people living with HIV/AIDS on December 31, 2007 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Hampden County, Massachusetts

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	198	63%	1,046	60%
Female	115	37%	693	40%
Place of Birth:	N	%	N	%
US	188	60%	1158	67%
Puerto Rico/US Dependency ²	95	30%	513	29%
Non-US	30	10%	68	4%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	64	20%	402	23%
Black (non-Hispanic)	65	21%	336	19%
Hispanic	178	57%	986	57%
Other/Undetermined ³	6	2%	15	1%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	64	20%	310	18%
Injection Drug Use (IDU)	90	29%	617	35%
MSM/IDU	5	2%	56	3%
Heterosexual Sex	52	17%	343	20%
Other	2	1%	58	3%
Total Undetermined	100	32%	355	20%
• Presumed Heterosexual Sex ⁴	69	22%	258	15%
• Undetermined ⁵	31	10%	97	6%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2007	
Under 13	2	1%	9	1%
13 to 19	8	3%	33	2%
20 to 24	11	4%	28	2%
25 to 29	29	9%	75	4%
30 to 34	37	12%	106	6%
35 to 39	64	20%	237	14%
40 to 44	63	20%	394	23%
45 to 49	48	15%	373	21%
50 to 54	27	9%	247	14%
55 to 59	9	3%	122	7%
60+	15	5%	115	7%
Total	313	100%	1,739	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁴ Heterosexual sex with partners with unknown risk and HIV status

⁵ Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 5. People living with HIV/AIDS on December 31, 2007 by gender and race/ethnicity: Hampden County, Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	288	28%	114	16%
Black Non-Hispanic	188	18%	148	21%
Hispanic	562	54%	424	61%
Other/Undetermined ¹	8	1%	7	1%
Total	1,046	100%	693	100%

¹ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 6. People living with HIV/AIDS on December 31, 2007 by gender and exposure mode: Hampden County, Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	310	30%	N/A	N/A
Injection drug use (IDU)	415	40%	202	29%
MSM/IDU	56	5%	N/A	N/A
Heterosexual sex	74	7%	269	39%
Other	32	3%	26	4%
Total Undetermined	159	15%	196	28%
• Presumed heterosexual sex ¹	100	10%	158	23%
• Undetermined ²	59	6%	38	5%
Total	1,046	100%	693	100%

¹ Heterosexual sex with partners with unknown risk and HIV status

² Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Hampden County, Massachusetts, before 1999, 1999–2006¹

	Male		Female		Total
	N	%	N	%	
< 1999	1,327	67%	667	33%	1,994
1999	97	58%	70	42%	167
2000	86	66%	44	34%	130
2001	82	68%	39	32%	121
2002	67	65%	36	35%	103
2003	71	65%	39	35%	110
2004	74	58%	53	42%	127
2005	68	67%	34	33%	102
2006 ²	56	67%	28	33%	84

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Hampden County, Massachusetts, before 1999, 1999–2006¹

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	591	30%	451	23%	951	48%	1	<1%	1,994
1999	35	21%	33	20%	96	57%	3	2%	167
2000	24	18%	31	24%	73	56%	2	2%	130
2001	36	30%	17	14%	68	56%	0	0%	121
2002	25	24%	25	24%	51	50%	2	2%	103
2003	25	23%	23	21%	61	55%	1	1%	110
2004	22	17%	30	24%	73	57%	2	2%	127
2005	20	20%	20	20%	58	57%	4	4%	102
2006 ³	22	26%	15	18%	47	56%	0	0%	84

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ 2006 data are preliminary

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Hampden County, Massachusetts, before 1999, 1999–2006¹

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	1,349	68%	605	30%	40	2%	1,994
1999	111	66%	54	32%	2	1%	167
2000	94	72%	34	26%	2	2%	130
2001	81	67%	36	30%	4	3%	121
2002	67	65%	24	23%	12	12%	103
2003	78	71%	26	24%	6	5%	110
2004	75	59%	39	31%	13	10%	127
2005	59	58%	33	32%	10	10%	102
2006 ³	54	64%	23	27%	7	8%	84

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Hampden County, Massachusetts, before 1999, 1999–2006¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Undeter- mined ³		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
<1999	370	19%	974	49%	73	4%	310	16%	81	4%	114	6%	72	4%	1,994
1999	22	13%	63	38%	6	4%	38	23%	4	2%	28	17%	6	4%	167
2000	21	16%	48	37%	7	5%	26	20%	1	1%	22	17%	5	4%	130
2001	29	24%	50	41%	2	2%	18	15%	0	0%	15	12%	7	6%	121
2002	21	20%	32	31%	3	3%	23	22%	1	1%	18	17%	5	5%	103
2003	25	23%	25	23%	6	5%	15	14%	2	2%	25	23%	12	11%	110
2004	20	16%	36	28%	3	2%	24	19%	2	2%	31	24%	11	9%	127
2005	22	22%	36	35%	0	0%	15	15%	0	0%	18	18%	11	11%	102
2006 ⁴	22	26%	18	21%	2	2%	13	15%	0	0%	20	24%	9	11%	84

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

⁴ 2006 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Hampden County, Massachusetts, 1999–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Year:	N	N	%
1999	41	167	25%
2000	37	130	28%
2001	25	121	21%
2002	21	103	20%
2003	22	110	20%
2004	28	127	22%
2005	28	102	27%
2006	19	84	23%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS
Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Hampden County, Massachusetts, 2004–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Gender:	N	N	%
Male	44	198	22%
Female	31	115	27%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	16	64	25%
Black (non-Hispanic)	21	65	32%
Hispanic	37	178	21%
Other/Undetermined ²	1	6	17%
Place of Birth:	N	N	%
US	46	188	24%
Puerto Rico/US Dependencies ³	19	95	20%
Non-US	10	30	33%
Total	75	313	24%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08